PUBLICATIONS LIST

TITLE:

OPERATOR INTERFACE DESIGN OF A LANE AWARENESS SYSTEM FOR SNOW REMOVAL OPERATIONS

ABSTRACT:

Research conducted on a two-lane, rural state highway in Minnesota in low visibility conditions. Vehicle-mounted, magnetic, lane-tracking system displaying lane position through a prototype user interface with continuous visual reference to centerline or shoulder line, as well as peripheral modalities (i.e., directional seat vibration, peripheral visual displays in windshield corners, and an optional auditory warning). Could result in improved safety of operator and public, improved service levels (mobility) and reduced cost for snow removal operation operations and reduced economic impact on region. (productivity)

SOURCE(S):

7th World Congress on ITS, University of Iowa

Keyword(s):

Visibility, Maintenance vehicle, Safety, Mobility, Productivity